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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/026,286	12/20/2001	Yoshiaki Mori	P6495a	1796
20178	7590 05/11/2006		EXAMINER	
	SEARCH AND DEVE	CHACKO DAVIS, DABORAH		
INTELLECTUAL PROPERTY DEPT 150 RIVER OAKS PARKWAY, SUITE 225		ART UNIT	PAPER NUMBER	
SAN JOSE,		1E 223	1756	
			DATE MAILED: 05/11/2000	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	Applicant(s)			
Office Action Summan	10/026,286	MORI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Daborah Chacko-Davis	1756				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	th the correspondence add	ress			
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	C DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a r riod will apply and will expire SIX (6) MON atute, cause the application to become AB	CATION.  eply be timely filed  THS from the mailing date of this com  ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 2	1 February 2006.					
_	This action is non-final.					
3) Since this application is in condition for allo		ers, prosecution as to the r	merits is			
closed in accordance with the practice unde	•	· •				
Disposition of Claims						
4) Claim(s) 1-64 is/are pending in the application	ion.					
4a) Of the above claim(s) 23-64 is/are withd						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-22</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction an	d/or election requirement.					
Application Papers	·					
9) The specification is objected to by the Exam	inne					
· -		hutha Evaminar				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to t		• •				
Replacement drawing sheet(s) including the con	,	` .	` '			
11)☐ The oath or declaration is objected to by the	Examiner. Note the attached	Office Action or form PTC	D-152.			
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents.</li> <li>2. Certified copies of the priority documents.</li> <li>3. Copies of the certified copies of the papplication from the International Bur</li> <li>* See the attached detailed Office action for a feet of the papplication.</li> </ul>	ents have been received. ents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	pplication No received in this National S	itage			
Attachment(s)    Output	Paper No(s	Summary (PTO-413) S)/Mail Date nformal Patent Application (PTO- 	152)			

#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-22, are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0630044 (Okumura et al., hereinafter referred to as Okumura).

Okumura, in the abstract, in col 2, lines 24-57, in col 3, lines 14-58, in col 4, lines 1-56, discloses a pattern forming method of forming a mask having pattern forming openings (photolithographically formed photoresist pattern, reference 43, of figures 4A through 4D), immersing the substrate with openings to a predetermined solution to fill the opening with the material (solidified liquid pattern material, drying the liquid solution adhered onto the opening so as to form a layer in the opening, the SOG layer is solidified), removing by etching the material adhered onto portions of the surface of the photoresist mask (not the material formed in the opening), performing a hydrophobic treatment (photoresist mask is also made hydrophobic), performing a baking treatment, immersing the substrate again to form another layer of the material in the openings (plural pattern material supply process, solidifying the material to form a layer, forming another solid glass layer), performing a photoresist mask removal process by ashing (including annealing, i.e., mask removal and annealing is performed simultaneously) (claims 1-22).

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## Response to Arguments

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3. Applicant's arguments with respect to claims 1-22, see Remarks, filed February 21, 2006, have been considered but are moot in view of the new ground(s) of rejection. See paragraph no. 2.

#### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daborah Chacko-Davis whose telephone number is (571) 272-1380. The examiner can normally be reached on M-F 9:30 - 6:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark F Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

dcd

May 3, 2006.

JOHN A. MCPHERSON PRIMARY EXAMINER